



Images Description and Claims (26 Kb)**(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)****(11) WO 2004/048028****(13) A1****(21) PCT/DE2003/002668****(22) 07 August 2003 (07.08.2003)****(25) German****(26) German****(30) 102 54 839.0****25 November 2002****DE****(25.11.2002)****(43) 10 June 2004 (10.06.2004)****(51)⁷ B23Q 11/00****(54) HAND-HELD MACHINE TOOL COMPRISING A DUST BOX****(71) ROBERT BOSCH GMBH [DE/DE]; Postfach 30 02 20, 70442 Stuttgart (DE).****(72) WUENSCH, Steffen [DE/DE]; Panoramastrasse 43a, 71088 Holzgerlingen****(75) (DE).****(74) ROBERT BOSCH GMBH; Postfach 30 02 20, 70442 Stuttgart (DE).****(81) CN, JP, US****(84) European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR)****For information on time limits for entry into the national phase please click here****Published****-- with international search report**

(57) Disclosed is a hand-held machine tool (10) comprising a housing (12) that supports a dust box (50, 150) and is provided with a motor (20) with an air cooling unit and a used cooling air duct (44, 46), and a chip suction duct (40) which directs a chip-sucking flow. The inventive hand-held machine tool (10) can be used at improved performance and in

an environmentally friendlier manner due to the fact that the used cooling air flows over the dust box (50, 150) under favorable flow conditions, the evacuation of dust into the dust box (50, 150) being improved while whirls of dust due to used cooling air that is located in the tool area are prevented from forming.

